

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/524,198
Source: PU7/10
Date Processed by STIC: 2/26/05

ENTERED



PC

RAW SEQUENCE LISTING

DATE: 02/26/2005

PATENT APPLICATION: US/10/524,198

TIME: 10:44:18

Input Set : A:\2002.013 SEQ LIST.txt

Output Set: N:\CRF4\02262005\J524198.raw

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3 <110> APPLICANT: AKZO Nobel N.V.
5 <120> TITLE OF INVENTION: Novel mastitis vaccine
7 <130> FILE REFERENCE: 2002.013
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/524,198
C--> 9 <141> CURRENT FILING DATE: 2005-02-10
9 <160> NUMBER OF SEQ ID NOS: 2
11 <170> SOFTWARE: PatentIn version 3.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 603
15 <212> TYPE: DNA
16 <213> ORGANISM: Streptococcus uberis
18 <220> FEATURE:
19 <221> NAME/KEY: CDS
20 <222> LOCATION: (1)..(600)
21 <223> OTHER INFORMATION:
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25 atg ttt aaa ttt tta aag cgt gtt gtt ttt cta gct ttt ctg att ttt      48
26 Met Phe Lys Phe Leu Lys Arg Val Val Phe Leu Ala Phe Leu Ile Phe
27 1 5 10 15
29 tgt ttt tat caa gct tat ata aca cat caa aat gta caa aat gtc atg      96
30 Cys Phe Tyr Gln Ala Tyr Ile Thr His Gln Asn Val Gln Asn Val Met
31 20 25 30
33 caa tac aaa cca atg gtt gaa aaa acc ttg gct gaa aat gat acg act      144
34 Gln Tyr Lys Pro Met Val Glu Lys Thr Leu Ala Glu Asn Asp Thr Thr
35 35 40 45
37 gcc aat gtc aat tta gtt tta gca atg atc tac aca gaa aca aaa ggt      192
38 Ala Asn Val Asn Leu Val Leu Ala Met Ile Tyr Thr Glu Thr Lys Gly
39 50 55 60
41 ggt cag gca gat gtc atg caa tct agc gaa agt agt agt ggt gtg act      240
42 Gly Gln Ala Asp Val Met Gln Ser Ser Glu Ser Ser Ser Gly Val Thr
43 65 70 75 80
45 aac tca att acc gac agt caa tct agt att caa cac ggt gtc aaa ctc      288
46 Asn Ser Ile Thr Asp Ser Gln Ser Ser Ile Gln His Gly Val Lys Leu
47 85 90 95
49 ttg tct gag aat ttg act tta gct gag aaa gct gga gta gac tct tgg      336
50 Leu Ser Glu Asn Leu Thr Leu Ala Glu Lys Ala Gly Val Asp Ser Trp
51 100 105 110
53 act gca gta caa gct tac aat ttt gga aca gct tac att gat tat gtg      384
54 Thr Ala Val Gln Ala Tyr Asn Phe Gly Thr Ala Tyr Ile Asp Tyr Val
55 115 120 125
57 gca aaa aat ggt ggt gac aac act atc tct ttg gct agt cat tat tct      432
58 Ala Lys Asn Gly Gly Asp Asn Thr Ile Ser Leu Ala Ser His Tyr Ser
59 130 135 140

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61 aaa agt gtt gta gct cca agt tta ggg aat aag gat gga aaa atg tat      480
62 Lys Ser Val Val Ala Pro Ser Leu Gly Asn Lys Asp Gly Lys Met Tyr
63 145                      150                      155                      160
65 tta tat tac cat cca att gcc ctc ctc tat ggc ggt aaa ctt tat caa      528
66 Leu Tyr Tyr His Pro Ile Ala Leu Leu Tyr Gly Gly Lys Leu Tyr Gln
67                      165                      170                      175
69 aat ggt ggt aat att tat tat tca cga gaa gtt cat ttt aat tat tac      576
70 Asn Gly Gly Asn Ile Tyr Tyr Ser Arg Glu Val His Phe Asn Tyr Tyr
71                      180                      185                      190
73 ctc ata caa tta tta tct aaa ttt taa      603
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79 <211> LENGTH: 200
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81 <213> ORGANISM: Streptococcus uberis
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86 1                      5                      10                      15
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90                      20                      25                      30
93 Gln Tyr Lys Pro Met Val Glu Lys Thr Leu Ala Glu Asn Asp Thr Thr
94                      35                      40                      45
97 Ala Asn Val Asn Leu Val Leu Ala Met Ile Tyr Thr Glu Thr Lys Gly
98                      50                      55                      60
101 Gly Gln Ala Asp Val Met Gln Ser Ser Glu Ser Ser Ser Gly Val Thr
102 65                      70                      75                      80
105 Asn Ser Ile Thr Asp Ser Gln Ser Ser Ile Gln His Gly Val Lys Leu
106                      85                      90                      95
109 Leu Ser Glu Asn Leu Thr Leu Ala Glu Lys Ala Gly Val Asp Ser Trp
110                      100                      105                      110
113 Thr Ala Val Gln Ala Tyr Asn Phe Gly Thr Ala Tyr Ile Asp Tyr Val
114                      115                      120                      125
117 Ala Lys Asn Gly Gly Asp Asn Thr Ile Ser Leu Ala Ser His Tyr Ser
118                      130                      135                      140
121 Lys Ser Val Val Ala Pro Ser Leu Gly Asn Lys Asp Gly Lys Met Tyr
122 145                      150                      155                      160
125 Leu Tyr Tyr His Pro Ile Ala Leu Leu Tyr Gly Gly Lys Leu Tyr Gln
126                      165                      170                      175
129 Asn Gly Gly Asn Ile Tyr Tyr Ser Arg Glu Val His Phe Asn Tyr Tyr
130                      180                      185                      190
133 Leu Ile Gln Leu Leu Ser Lys Phe
134                      195                      200

```

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:24 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:21